

Pechsneva, N.V.

THE INSTRUMENT FOR DETERMINING ANALYSIS OF GASES

(U.S.S.R. Patent No. 167,725-730). A gas analysis apparatus of a special form for determining combustible gases in confined by the chromatography of gases. The apparatus, which is transportable and suitable for work under field conditions, is applied to the determination of hydrogen, carbon dioxide, methane, ethane, propane, butane and pentane.

*3
A.A.
PM. LFH
F. C. C. L.*

PERSHTEYN, V.M.

25082 PERSHTEYN, V. M. Pastbishcha I Senokosy V Lesakh I Na Zemlyakh, Vyshedshikh
iz-Pod Lesa. V Sb: Voprosy Kormodobyvaniya. Vyp. 2. M., 1949, S. 43-43

SO: Letopis', No. 33, 1949

BARISHPOLETS, V.T., kand. tekhn. nauk; PERSHKEVICH, I.P.. inzh.;
KOVALENKO, V.L., inzh.

Gravity separation of tobacco-colored ores from the Kerch deposit.
Izv. vys. ucheb. zav.; gor. zhur. 6 no.4:180-186 '63.

1. Kerchenskiy filial Odesskogo tekhnologicheskogo instituta
imeni Lomonosova (for Barishpolets). 2. Kamyshburunskiy
zhelezorudnyy kombinat (for Pershkevich, Kovalenko).
Rekomendovana kafedroy obshcheizhenernykh distsiplin Odesskogo
tekhnologicheskogo instituta.

(Kerch Peninsula—Iron ores) (Ore dressing)

S/137/62/006/003/031/191
K005/A101

AUTHORS: Lyubimova, I. P., Pershukov, A. A., Krasnoselev, N. L.

TITLE: Dynamics of achieving projected indices of concentrating titanomagnetite ores at the Kusinskiy concentration plant

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 3, 1962, 9, abstract 30'5
("Sb. nauchn. tr. Magnitogorskiy gornometallurg. in-t", 1961, no. 24,
105 - 118)

TEXT: The Kusinskiy titanomagnetites represent polymetallic ore and contain Fe, Ti, V and Co. The basic ore minerals are the vanadium containing magnetite and ilmenite. Non-ore minerals forming 20 - 25% of the total ore mass are represented by chlorite, hornblende, actinolite, garnet, epidote. There are compact and disseminated ores. Magnetite is the most widespread ore-forming mineral. The authors describe dynamics of gradual improvement of indices in the operation of the Kusinskiy plant. The system of concentrating titanomagnetites includes dry magnetic separation at 25 - 0 mm ore crushing. Concentration is carried out on mg 8/9 drum separators. From ore, containing Fe 41.3% and Ti oxide 10%, concentrates are then obtained which contain 46.6% Fe and 12.6% Ti oxide at 93% Fe extraction. Wet mag-

Card 1/2

3/137/62/000/U 3/137/191
A206/A101

Dynamics of achieving projected indices of...

magnetic separation is carried out during refining of the collective concentrate. Magnetic separation is carried out during refining of the collective concentrate. Trommels for collecting the chips are mounted on the overflow of the mill and the rake classifier. Separation is conducted on Σ -type magnetic separators. Refining of industrial products is conducted on Σ -type magnetic separators. Refining of industrial products is conducted on Σ -type magnetic separators. Finer Σ -type magnetic separators and Ti-semiproduct are then obtained. Prior to ilmenite flotation desliming and concentration in hydrocyclones is carried out. For the purpose of obtaining low-sulfur ilmenite concentrate, pyrite floatation is provided for with the use of the following reagents: 200 g/t H_2SO_4 ; 6-5 t manganogenite and 40 g/t flotation oil. To reduce hardness of the water used in addition to the pulp. As a result of the rough control of the reagent conditions and the supply point of the reagents during ilmenite flotation, the advantage of systems with counterflow of the foam over the previous direct-flow system was revealed. The extraction of TiO_2 into the concentrate was raised from 87.5 to 95%. Instead of oleic acid, tall oil mixed with kerosene was used. Weakly acid solutions of H_2SO_4 and Na_2SiF_6 were used as depressors of ore minerals.

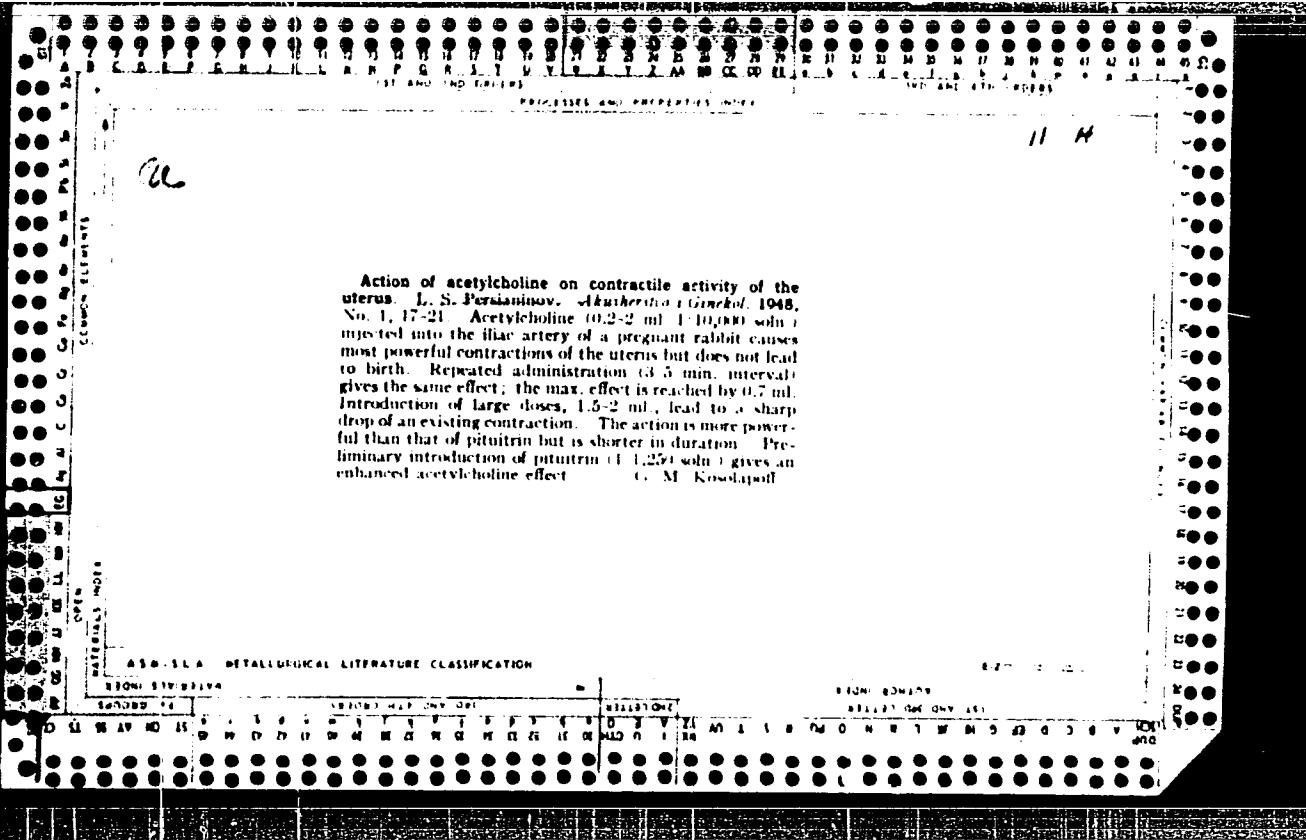
A. Shmeleva

[Abstracter's note: Complete translation]

Card 2/2

PERSHUKOV, A.A.; SAFONOV, S.V.; Prinimali uchastiye: SYSOLYATIN, S.A.;
CHAPLYGINA, Ye.M.

Dressing of titanium-zirconium sands. Titan i ego splavy no.8;
8-13 '62. (Titanium ores) (Zircon) (Ore dressing) (MIRA 16:1)



PERSIANINOV, L. S.

"Factors Influencing the Beginning of Labor Pains,"
Akusher. i. Ginekol., No. 3, 1948. Candidate of Medical
Sciences Mbr., Uterological Clinic, of Kazan State Institute
for Advancement of Doctors imeni V. I. Lenin,
Mbr., Chair of Normal Physiology, Kazan State
Medical Institute. -cl948-.

PERSIANINOV, L.S.

Included in a list of five Soviet Medical Books with author's names, transliterated Russian titles, numbers of pages, places of publication, English titles, and dates of publication:

a. Prof. L.S. PERSIANINOV

Razryby Matki

98 pages

Medgiz and Moscow

'Uterine Rupture'

1952

1786-52, info 8 Dec 52, 8 Dec 52

PERSYANINOV, L.S.

Effect of acetylcholine on uterine contractions in the presence of
folliculin. Akush. gin., Moskva No. 1:11-15 Jan-Feb 52. (CML 21:4)

1. Doctor Medical Sciences. 2. Of the Obstetric-Gynecological Clinic
(Director--Prof. N.Ye. Sidorov), Kazan' State Institute for the
Advanced Training of Physicians imeni V.I. Lenin.

PERSIANINOV, L. S.

USSR/Medicine - Hemotherapy

Jul/Aug 52

"Intra-arterial Blood Transfusion," Prof L. S. Persianinov, Obstet-Gynecol Clinic, Minsk Med Inst

"Akusher i Ginekol" No 4, pp 47-52

Advocating the use of intra-arterial blood transfusion in obstetrical and gynecological practice, the author claims that expts demonstrated that this type of transfusion increases the arterial pressure and improves cardiac function during a state of shock. Though emphasizing the preference of whole blood, the author relates the use of "Prokhorov complex," a mixt with antiparabiotic qualities used in intra-arterial transfusions in cases of severe

221T17

shock. Includes a drawing of the special APP used in these transfusions. V. M. Prokhorov's mixt contains CaCl₂, NaBr, vitamins B and C, alc, and glucose.

221T17

PERSYANDNOV, L.S., M.D.

Cesarean Section

Prevention of uterine ruptures following cesarean section. Sov. med. 16, no. 3, 1952.

MONTHLY LIST OF RUSSIAN PUBLICATIONS, LITERATUR' IZ ZARABOTKA, NOV. 1952. GLASSI L.L.

PERSIANOV, L.S., professor, direktor.

Reanimation of newborn infants in asphyxia with intraarterial infusion of blood and drugs. Akush. i gin. no. 2:10-14 Mr-Ap '53. (MLRA 6:5)

1. Akushersko-ginekologicheskaya klinika Minskogo meditsinskogo instituta.
(Asphyxia) (Blood--Transfusion)

PERSIANINOV, L.S.

Local anesthesia in gynecologic and obstetric practice. Akush. gin.
no.5:7-13 Sept-Oct 1953. (CLMI 25:4)

1. Professor. 2. Of the Obstetric-Gynecological Clinic (Director --
Prof. L. S. Persianinov), Minsk Medical Institute.

PERSIANINOV, L.S., professor (Minsk)

A.V.Vishnevskii's local anaesthesia in certain gynaecological operations. Akush. i gin. no.5:70-82 S-0 '54. (MLRA 7:12)
(GENITALIA, FEMALE, surgery,
anesth., local, Vishnevskii's method)
(ANESTHESIA, LOCAL,
in gyn. surg., Vishnevskii's method)

PERSYANINOV, L.S., professor

"Outlines of obstetric pathology and surgery; handbook for physicians."
K.N.Zmakin, L.G.Stepanov, ed. Reviewed by L.S.Persianinov. Akush. i
gin. no.5:92-94 S-0 '54.

(MLRA 7:12)

(PREGNANCY, COMPLICATIONS OF)
(OBSTETRICS--SURGERY)

PERSIANOV, L.S., professor; SHADURSKIY, K.S., professor, redaktor;
THURMAN, A., tekhnicheskij redaktor

[Intra-arterial blood transfusions in obstetrical and gynecological
practice] Vnutriarterial'noe perelivanie krovi v akushersko-gine-
kologicheskoi praktike. Minsk, Gos. izd-vo BSSR, Red. nauchno-
tekhn. lit-ry, 1955. 195 p.
(BLOOD--TRANSFUSION)' OBSTETRICS)

PERSIANINOV, L.S., professor

Late results of a cesarean section. Akush. i gin. 32 no.4:20-24
Jl-Ag '56. (MIRA 9:11)

1. Iz akushersko-ginekologicheskoy kliniki (zav. - professor L.S.
Persianinov) Minskogo meditsinskogo instituta
(CESAREAN SECTION
remote results & indic.)

PRESIANINOV, L.S., professor

Use of intra-arterial infusions of blood and medications in
asphyxia; clinical and experimental aspects. Akush. i gig. 33 no.2:
17-24 Mr-Ap '56. (MLRA 9:7)

1. Iz akusherko-ginekologicheskoy kliniki (dir. - prof. L.S.
Persianinov) Minskogo meditsinskogo instituta
(ASPHYXIA NEONATORIUM, ther.
blood transfusion & chemother., admin. into umbilical
artery)
(BLOOD TRANSFUSION, in various dis.
asphyxia neonatorum, admin. into umbilical artery)

PERSIANINOV, L.S.

Role of vascular interoception in the restoration of vital functions
following asphyxia. Fiziol.shur. 42 no.8:685-694 Ag '56. (MIRA 9:11)

1. Kafedra akusherstva i ginekologii Minskogo mediteinskogo instituta.
(ASPHYXIA, experimental,
resuscitation with blood transfusion & parenteral
infusions (Rus))
(RESUSCITATION, experimental,
in asphyxia, wkh blood transfusion & parenteral infusion
(BLOOD TRANSFUSION, experimental (Rus))
in asphyxia, resuscitation (Rus))
(INFUSIONS, PARENTERAL, experiments,
same)

PERSIANINOV, L.S., prof.

Asphyxia and trauma of the fetus and the newborn. Zdrav. Belor. 4
no.2:3-8 F '58. (MIRA 13:8)
(ASPHYXIA NEOTATORUM)

PERSIANINOV, Leonid Serenovich, prof.. zasluzhennyy deyatel' nauki BSSR;
STAROVOTTOV, I., red.; STEPANOVA, N., tekhn.red.

[Seminar in obstetrics] Akusherskii seminar. Minsk, Gos.izd-vo
BSSR, Red.nauchno-tekhn.lit-ry. Vol.2. 1960. 431 p.
(MIRA 13:12)

(PREGNANCY, COMPLICATIONS OF)

PERSIANINOV, L.S., prof.; BAKULEVA, L.P., kand.med.nauk; GRYAZNOVA, I.M.;
VOLIN, Ye.M.

Gas gynecography in the diagnosis of gynecological diseases.
Akush.i gin. no.6:62-66 '60. (MIRA 14:1)

1. Iz kafedry akusherstva i ginekologii (zav. -- prof. L.S. Persianinov) lechel'nogo fakul'teta i kafedry rentgenologii (zav. -- prof. B.A. D'yachenko) II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.
(GENITOURINARY ORGANS--RADIOGRAPHY) (PNEUMOPERITONEUM, ARTIFICIAL)

PERSIANINOV, L.S., prof. (Moskva)

Role of the women's health center in improvement of the quality
of obstetrical-gynecological assistance. Sov. zdrav. 19 no.6:
12-16 '60. (MIRA 13:9)

1. Chlen-korrespondent AMN SSSR.
(OBSTETRICS) (GYNECOLOGY)

BULAVINTSEVA, A.I., kand. med. nauk; KAZANSKAYA, N.I., kand.med. nauk;
KASHINSKIY, A.V., kand. med. nauk; LIPMANOVICH, S.G., kand.
med. nauk; MARBUT, Ye.I., kand. med. nauk; POKROVSKIY, V.A.,
zssluzhenyy deyatel' nauki RSFSR, prof.; ROMANOVSKIY, R.M.,
kand. med. nauk; TUMANOVA, Ye.S., prof.; YAKOVLEV, I.I.,
zasluzhenyy deyatel' nauki RSFSR, prof.; LANKOVITS, A.V., prof.,
nauchnyy red.; PERSIANINOV, L.S., prof., otv. red.; BEKKER, S.M.,
prof., red.; BELOSHAPKO, P.A., prof., red. [deceased]; ZIMAKIN,
K.N., prof., red.; ZHORDANIA, I.F., prof., red.; LEBEDEV, A.A.,
prof., red.; MANENKOV, F.V., prof., red.; STEPANOV, L.G., kand.
med. nauk, red.; SYROVATKO, F.A., prof., red.; FIGURNOV, K.M.,
prof., red.; PORAY-KOSHITS, K.V., red.; LANKOVITS, A.V., red.;
SENCHILO, K.K., tekhn. red.

[Multivolume manual on obstetrics and gynecology] Mnogotomnoe
rukovodstvo po akusherstvu i ginekologii. Moskva, Gos.izd-vo
med. lit-ry. Vol.6. 1961. 679 p. (MIRA 15:4)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for
Persianinov, Beloshapko, Figurnov).
(OBSTETRICS—SURGERY) (GYNECOLOGY, OPERATIVE)

PERSIANINOV, L.S., prof.

Measures for preventing stillbirth and mortality in newborn
infants. Akush.i gin. no.4:10-20 '61. (MIRA 15:5)

1. Chlen-korrespondent AMN SSSR
(INFANTS (NEWBORN)--MORTALITY) (STILLBIRTH)

PERSIANINOV, L.S., prof.

Antenatal protection of the fetus. Akush.i gin. no.6:3-12 '61.
(MIRA 14:12)

1. Glavnnyy akusher-ginekolog Ministerstva zdravookhraneniya
SSSR i chlen-korrespondent AMN SSSR.
(PRENATAL CARE)

GOFMAN, G.Ye., prof.; ZHELEZNCV, B.I., kand. med. nauk; KLENITSKIY,
Ya.S., prof.; LEL'CHUK, P.Ya., prof.; MARKINA, V.P., dots.;
NOVIKOVA, L.A., prof.; PETROVA, Ye.N., prof.; POKROVSKIY,
V.A., prof.; FRINOVSKIY, V.S., prof.; PERSIANINOV, L.S.,
prof., otv. red.; IL'IN, I.V., red.; LYUDKOVSKAYA, N.I.,
tekhn. red.

[Multivolume manual on obstetrics and gynecology] Mnogo-
tomnosc rukovodstvo po akusherstvu i ginekologii. Moskva,
Medgiz. Vol.5. [Tumors of female genitalia] Opukholi zhen-
skikh polovykh organov. 1962. 314 p. (MIRA 16:8)

1. Chlen-korrespondent AMN SSSR (for Novikova, Persianinov).
(GENERATIVE ORGANS, FEMALE--TUMORS)

PERSIANINOV, L.S.; CHERVAKOVA, T.V.

Effect of obstetric manipulations and surgical methods on fetal
cardiac activity. Vest.AMN SSSR 17 no.11:31-36 '62.

(MIRA 16:1)

1. Kafedra akusherstva i ginekologii lechebnogo fakul'teta II
Moskovskogo meditsinskogo instituta imeni Pirogova.
(HEART--SOUNDS) (LABOR (OBSTETRICS))(FETUS)

IL'IN, I.V.; PERSIANINOV, L.S.; SAVEL'YEVA, G.M.

Electrocardiography of the fetus in the obstetrics clinic. Vest.
AMN SSSR 17 no.11:36-40 '62. (MIRA 16:1)

I. Kaf'edra akusherstva i ginekologii lechebnogo fakul'teta
II Moskovskogo meditsinskogo instituta imeni Pirogova.
(ELECTROCARDIOGRAPHY) (FETUS)

PERSIANINOV, L.S., zasl. deyatel' nauki Belorusskoy SSR, prof., red.;
GUTKOVSKAYA, O., red.; STEPANOVA, N., tekhn. red.

[Use of aminazine in obstetrical and gynecologic practice] Pri-
menenie aminazina v akushersko-ginekologicheskoi praktike.
Minsk, Gos.izd-vo BSSR. Red. nauchno-tekhn.lit-ry, 1962. 179 p.
(MIRA 15:9)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for
Persianinov).

(CHLORPROMAZINE) (GYNECOLOGY) (OBSTETRICS)

PERSHANINOV, L.S., zasl. deyatel' nauki BSSR, prof., red.; GUTKOVSKAYA, O.,
red.; YURKEVICH, Ye., red.; STEPANOVA, N., tekhn. red.

[Gynecological examination; a manual for doctors and students]
Zhenskaya konsul'tatsiya; rukovodstvo dlia vrachei i studentov.
2. ispr. i dop. izd. Minsk, Gos. izd-vo BSSR. Red. nauchno-
tekhn. lit-ry, 1962. 403 p. (MIRA 15:6)

1. Chlen-korrespondent Akaderii meditsinskikh nauk SSSR (for
Pershantnov).

(OBSTETRICS) (GYNECOLOGY)

BRAUDE, Isaak Leont'yevich [deceased]; PERSIANINOV, Leonid Semenovich.
Prinimalni uchastiye: BRAUDE, A.I., doktor med.nauk; GRANAT, N.Ye.,
kand.med.nauk; ZHMUR, V.A., prof.; MAKEYEVA, O.V., doktor med.
nauk; RAFAL'KES, S.B., dotsent. PORAY-KOSHITS, K.V., red.;
BUL'DYAEV, N.A., tekhn.red.

[First aid in obstetrical and gynecological pathology] Neotlozhnaia
pomoshch' pri akushersko-ginekologicheskoi patologii. Moskva,
Medgiz, 1962. 358 p. (MIRA 15:5)

(FIRST AID IN ILLNESS AND INJURY)
(OBSTETRICS)

PERSIANINOV, L. S., prof.; UMERENKOV, G. P.

Electroencephalographic observations during anesthesia in gynecological operations. Cesk. gynek. 27 no.1/2:121-128 Mr '62.

1. Gyn. klin. fak. vseobec. lek. 2-Moskovskogo lekarskogo institutu N. I. Pirogova, prednosta olen-korespondent ALV SSSR prof. L. S. Persianinov.

(GYNECOLOGY anesth & analgesia) (ELECTROENCEPHALOGRAPHY)

PERSIANINOV, L.S.; GRIAZNOV, I.M., intent.

"Pneumopelvigraphy in gynecology" by J. Horsky and others.
Reviewed by L.S. Persianinov, I.M. Griaznov. Akush. i gin.
38 no.5:125-126 S-0 '62.

(MIRA 17:11)

1. Chlen-korrespondent AMN SSSR (for Persianinov).

GURTOVOY, L.Ye., prof.[deceased]; IVANITSKAYA, Ye.P., doktor med. nauk; MAZHBITS, A.M., prof.; PREYSMAN, A.B., prof.; STARTSEVA, L.N., kand. med. nauk; TRUYEVTEVA, G.V., kand. med.nauk; SHUB, R.L., zasl. deyatel' nauki Latviyskoy SSR prof.; YAGUNOV, S.A., prof.[deceased]; PERSIANOV, L.S., prof., otv. red.; ZHMAKIN, K.N., prof., zasl. deyatel' nauki RSFSR, red.; RYABOV, G.Z., red.; ROMANOVA, Z.A., tekhn. red.

[Multivolume manual on obstetrics and gynecology] Mnogotomnoe rukovodstvo po akusherstvu i ginekologii. Moskva, Medgiz. Vol.4. Book 1. [General gynecology] Obshchaia ginekologija. 1963. 674 p. (MIRA 16:9)

1. Chlen-korrespondent Akademii meditsinskikh nauk (for Yagunov, Persianinov).

(GYNECOLOGY)

PERSIANINOV, L.S.; IL'IN, I.V.; SAVEL'YEVA, G.M.; CHERVAKOVA, T.V.

Modern methods for diagnosing intrauterine asphyxia during labor.
Akush. i gin. no.6:3-12 N-D '63. (MirA 17:12)

1. Iz kafedry akusherstva i ginekologii (zav. - chlen korrespondent
AMN SSSR prof. L.S.Persianinov) II Moskovskogo meditsinskogo instituta
imeni N.I.Pirogova.

PERSIANINOV, L.S., prof.

Prevention of perinatal morbidity and mortality. Vop. okhr.
materir. dets. 8 no.1:8-16 '63 (MIRA 17:2)

1. Iz III Moskovskogo meditsinskogo instituta imeni Pirogova.
Chlen-korrespondent AMN SSSR.

KANTOROVICH, Lev Isaakovich[deceased]; PERSIANINOV, L.S., prof., zas.
deyatel' nauki BSSR, red.; GUTKOVSKAYA,O.,red.; NOVIKOVA,V .,
tekhn. red.

[Blood transfusion in obstetric practice] Perelivanie
krovi v akusherskoi praktike. Minsk, Gosizdat BSSR, 1963.
154 p. (MIRA 16:11)

1. Chlen-korrespondent AMN SSSR (for Persianinov).
(OBSTETRICS) (BLOOD--TRANSFUSION)

PERSIANINOV, L.S., zasl. deyatel' nauki BSSR, prof., red.;
VISHNEVETSKAYA, L.B., tekhn. red.

[Modern methods of investigation and treatment in
obstetrics and gynecology] Sovremennye metody issledovaniia
i lecheniya v akusherstve i ginekologii. Pod red. L.S.
Persianinova. Moskva, 1963. 335 p. (MIRA 16:9)

1. Moscow. Vtoroy moskovskiy gosudarstvennyy meditsinskiy
institut. 2. Chlen-korrespondent AMN SSSR (for Persianinov)
(OBSTETRICS) (GYNECOLOGY)

PERSIANINOV, L. A., et al.

Effectiveness of exchange transfusion of blood in the treatment
of hemolytic disease of the newborn. Trobl. sput. i perel'.
Krov i srovi 9 no. 5:19-24 May '64.
(MIHA 18:3)

I. II Moskovskij travmaticheskij institut imeni Pirogova. Chlen
korrespondent MN SSSR.

PERSIANINOV, L.S., prof. (Moskva)

Anesthesia in cesarean section. Akush, i gin. 40 no.5:3-10 S-O '82.
(MIRA 18:5)
l. Chlen-korrespondent AMN SSSR.

PERSONAL, I.D.; UNIT NO.

Novocaine - a local anesthetic used in compound general anesthetics, especially in orthopedical operations.

(asper. n. r. 1985, 1986, 1987, 1988)

(MIRA 19:3)

I. Inform about medical services of the Sov. - cilen-korres-
pondent of "Soviet". Sov. - cilen-korres-
pondent of "Soviet". Sov. - cilen-korres-
pondent of "Soviet". Sov. - cilen-korres-
pondent of "Soviet". Sov. - cilen-korres-

L-36230-68	ACCESSION NO: AP5010286	UR/0286/64/000/014/0062/0062
<p>AUTHOR: Agan, V. Ya. M.; Medovar, L. Ya.; Persilyaninov, L. S.; Ruzakov, L. Z.; Tavrovskiy, V. I.</p> <p>TITLE: Piezoelectric pressure pickup. Class 42, No. 164149</p> <p>SOURCE: Byulleten' izobreteniij i tovarnykh znakov, no. 14, 1964, 62</p> <p>TOPIC TAGS: pressure measuring instrument, piezoelectric ceramic Translation: A piezoelectric pressure pickup with a rolled plastic membrane element and hermetically sealed piezoceramic housing and electrode. In order to ensure linear amplitude characteristics, the membrane element is made in the form of a cup with ratios of height H to diameter D in the range from 0.8-1.0, thickness of the wall S to the diameter -- 0.5-0.6 and thickness of the sensitive part to the diameter -- 0.1-0.15. Orig. art. has 1 figure.</p> <p>ASSOCIATION: Vsesoyuznyj nauchno-issledovatel'skiy institut khodolil'noy promyshlennosti (All-Union Scientific Research Institute of the Refrigeration Industry)</p>		
SUBMITTED: 2/Feb/64	INCL: 01	SUB CODE: IE, MT
NO REF. BOV: 000 Card 1/8	OTHER: 000	JPBS

PERSLANOV, Leonid Semenovich; UMERENKOV, Grigeriy Petrovich;
PERMY-KOCHINS, K.V., red.

[Anesthesia in obstetrical and gynecological surgery]
Obezbolivanie pri akusherskikh i ginekologicheskikh ope-
ratsiiakh. Moskva, Meditsina, 1965. 291 p.
(MIRA 18:6)

PERSIANINOV, L.S.; IL'IN, I.V.; MFYTINA, R.A.; SAVEL'YEEVA, G.M.,
CHERVAKOVA, T.V.

Comparative study of gas exchange in the fetus under normal
and pathologic conditions. Akush. i gin. no.1:3-9 '65.

(MIRA 18-10)

1. Kafedra akusherstva i ginekologii (zav.- chlen-korrespondent
AMN SSSR prof. L.S. Persianinov) lechebnogo fakul'teta ''
Moskovskogo meditsinskogo instituta imeni Piropova i Laboratoriya
funktional'noy diagnostiki (zav.- kand. med. nauk G.G. Gel'shteyn)
Instituta serdechno-sosudistoy khirurgii (dir.- prof. S.A. Kolesnikov)
AMN SSSR.

"APPROVED FOR RELEASE: 06/15/2000

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PERMANENT INDEX CARD

RECORDED BY TELETYPE
INTERVIEW WITH [REDACTED] ON [REDACTED]

1. DATE OF BIRTH: [REDACTED]
[REDACTED] BORN IN [REDACTED] [REDACTED]
[REDACTED]

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001240120011-9"

I 03545-67 ENT(m)/EWP(t)/STI IJP(c) JD

ACC NR: AR031887 SOURCE CODE: UR/0058/66/000/006/E095/E095

AUTHOR: Vaytkus, Yu. Yu.; Vishchakas, Yu. K.; Persianov, I. S.; Smilga, A. A.

TITLE: Photoconductivity anisotropy of cadmium selenide single crystals /?

SOURCE: Ref. zh. Fizika, Abs. 6E743

REF SOURCE: Lit. fiz. sb., v. 5, no. 4, 1965, 491-494

TOPIC TAGS: cadmium selenide, cadmium selenide photoconductivity,
photoconductivity anisotropy

ABSTRACT: The anisotropy of photoconductivity in CdSe single crystals is investigated. In the (1010) plane the photoconductivity relationship in the direction of axes a and c is 2:1, while in the (0001) plane anisotropy varies periodically as a function of the shape of the crystal cross-section. [Translation of abstract]

SUB CODE: 20/

Card 1/1 nst

MATVEYEV, Nikolay Ivanovich, dotsent, kand.tekhn.nauk; NEPRINTSEV,
Mikhail Nikolayevich, dotsent, zasluzhennyj deyatel' nauki i
tekhniki; PERSIANOV, Mihail Arsen'yevich, dotsent, kand.tekhn.
nauk; SOKOLOV, F.G., inzh., retezenter; PAUL', V.P., inzh.,
red.; VERINA, G.P., tekhn.red.

[Principles of construction in railroad transportation] Osnovy
stroitel'nogo dela na zhelezodorozhnom transporte. Moskva,
Gos.transp.zhel-dor.izd-vo. Pt.2. [Construction operations and
Buildings] Stroitel'nye raboty i zdaniia. 1959. 311 p.
(MIRA 12:9)

(Building) (Railroads--Buildings and structures)

KARIMOV, Kh.Kh.; LAVRIKOV, Yu.A.; PERSIANOV, P.M.; SINYAKOV, Yu.I., red.;
SMIRNOV, P.S., tekhn.red.

[Economy of Leningrad in the seven-year plan] Ekonomika Lenina-
grada v semiletke. Leningrad, Lenizdat, 1959. 90 p.
(MIRA 13:4)
(Leningrad Economic Region--Economic policy)

PERSIANOV, V., kand. tekhn. nauk; PARSHIKOV, V., inzh.

Use of electronic computing machines to determine the optimum
variant for the location of harbor districts. Rech. transp. 21
no.1:12-15 Ja '62. (MIRA 16:8)

(Harbors)
(Electronic digital computers)

PERSIANOV, V., inzh.

Increasing the competition of West German railroads with the inland water transportation system [from "Internationales Archiv für Verkehrsvesen," no. 9, 1959]. Rech. transp. 20 no. 3:59-60 Mr '61. (MIRA 14:5)

(Germany, West—Railroads)
(Germany, West—Inland water transportation)

PESIAOV, V., inzh.

Inland water transportation in foreign countries. Rech. transp.
19 no.10;60-62 o '60. (MIRA 13:11)
(Inland water transportation)

POIUEKTOV, A.P., inzh.; PERSIANOV, V.A., kand.tekhn.nauk

Important problems of the improvement of passenger suburban and
local transportation. Zhel.dor.transp. 44 no.9:63-66 S '62.
(MIRA 15:9)
(Railroads—Commuting traffic) (Transportation, Automotive)

PARS.IANOV, V.A., inzh.; KOLIN, A. F., inzh.

Interaction in the operation of transshipment points and railroad stations in transport junctions. Ech. transp. 17 no.5:13-15 My '58. (MIRA 11:5)

(Marine railroads) (Harbors)

PERSIANOV, V.I., inzh.; KOLIN, A.F., inzh.

Cooperation between transshipment points and railroad yards at
transportation junctions (Conclusion). Rech. transp. 17 no. 6:15-
17 Je '58. (MIRA 11:?)

(Harbors)
(Marine railways)

ANTOFYOV, M., nauchnyy sotrudnik; PERSIANOV, V., nauchnyy sotrudnik

Mechanized loading and unloading of ores in foreign ports. Mor.
flot 18 no.9:20-22. S '58. (MIRA 11:10)

1. Institut kompleksnykh transportnykh problem AN SSSR.
(Loading and unloading) (Harbors)

ZEMBLINOV, S.V., prof., doktor tekhn.nauk; BURAKOV, V.A., inzh.;
OBERMEISTER, A.M., mladshiy nauchnyy sotrudnik; POLYAKOV, A.A.,
doktor tekhn.nauk, starshiy nauchnyy sotrudnik; PERSIANOV, V.A.,
mladshiy nauchnyy sotrudnik; TAL', K.K., kand.tekhn.nauk;
starshiy nauchnyy sotrudnik; KHODATAYEV, V.P., kand.tekhn.
nauk. Prinimal uchastiye: ANDRULIONIS, Ye.P., kand.tekhn.
nauk, mladshiy nauchnyy sotrudnik. SKALOV, K.Yu., kand.tekhn.
nauk, red.; KHITROV, P.A., tekhn.red.

[Basis for construction of road transportation junctions]
Osnovy postroenii transportnykh uzlov. Pod obshchei red.
S.V.Zemblinova. Moskva, Gos.transp.zhel-dor.izd-vo, 1959.
464 p. (MIRA 12:9)
(Transportation) (Streets)

PERSIANOV, V. A., Cand Tech Sc (d ss) - "Investigation of problems of location of transhipment zones at rail-river junctions". Moscow, 1960. 15 pp (Acad. Sci. USSR, Inst of Complex Transportation Problems), 120 copies (KL, No 14, 1960, 133)

PERSIANOV, V.A., kand.tekhn.nauk; POLUEKTOV, A.P., inzh.

Automatic device for rolling stock computations and determination of the
traffic loads of station districts and junctions. Avtom., telem. i sviaz'
6 no.7:14-16 Jl '62. (MIRA 16:2)
(Railroads--Electronic equipment) (Railroads--Signalizing)

PERSIANOV, V.A., inzh.

Railroads and subway in Tokyo. Gor. khoz.Mosk. 36 no.3:46-47
Mr '62. (MIRA 15:6)
(Tokyo--Subways) (Tokyo--Street railways)

ZAKIS, E.V., kand.tekhn.nauk; PERSIANOV, V.A., kand.tekhn.nauk;
POLUEKTOV, A.P., inzh.

Automatization of operational procedures in railroad transportation.
Zhel.-dor.transp. 43 no.9:64-67 S '61. (VIRA 14:8)
(Railroads)
(Automatic control)

BULAKOV, V.A., inzh.; PESIANOV, V.A., inzh.

Some aspects of the prospective development of passenger transportation.
Gor. zhiz. Mosk. 25 no.1:14-17 Ja '61. (MIRA 14:2)
(Traffic engineering)

SKALOV, Kons'tantin Yur'yevich, kand. tekhn. nauk, red.; ZUBKOV,
Mikhail Nikolayevich, inzh.; KRAVCHENKO, Vladimir
Silayevich, kand. tekhn. nauk; NIKITINA, Vera Nikolayevna,
inzh.; PERSIANOV, Vladimir Aleksandrovich, kand. tekhn.
nauk; DLUGACH, B.A., red.

[Port junctions and terminals; their layout and operation]
Portovye uzly i stantsii; ustroistvo i ekspluatatsiia.
Moskva, Transport, 1965. 197 p. (MIRA 18:4)

PERSIANOVA, I.V.; TARASOV, V.V.

Compressibility of nonaqueous solutions with associated components. Nauch.dokl.vys.shkoly; khim. i khim.tekh.
no.2:240-243 '59. (MIRA 12:8)

1. Predstavlena kafedroy fiziki Moskovskogo khimiko-tekhnologicheskogo instituta im. D.I.Mendeleyeva.
(Compressibility) (Alcohols)

PERSIANOVA, I.V.; TARASOV, V.V.

Compressibility of aqueous solutions of nonelectrolytes. Izv.vys.
ucheb.zav.; khim.i khim.tekh. 3 no.1:4-7 '60. (MIRA 13:6)

1. Moskovskiy khimiko-tehnologichesky institut imeni D.I.
Mendelyeva, kafedra "iziki.
(Alcohols) (Compressibility)

81546
SOV/137-59-5-11504

5.1140(B)

Translation from: Referativnyy zhurnal, Metallurgiya, 1959, Nr 5, p 26,
(USSR)

AUTHORS: Turkovskaya, A.V., Persiantseva, V.P.

TITLE: The Effect of Some Factors on the Atmospheric Corrosion Rate
of Magnesium and Its Alloy 17

PERIODICAL: Sb. nauchn. tr. Nauchno-tekhn. o-vo tsvetn. metallurgii, Mosk.
in-t tsvetn. met. i zolota, 1958, Nr 29, pp 172 - 178

ABSTRACT: The authors investigated the effect of relative humidity, SO_2 ,
 CO_2 , $\text{SO}_2 + \text{CO}_2$ and carbon dust on atmospheric corrosion of Mg,
passivated Mg, its alloy (with 6.5% Al, 0.3% Mn, 1% Zn) and
passivated alloy. Corrosion was determined by the gravimetric
method and by changes in the appearance of specimens with a
45-power magnification. It was established that for the given
alloy the critical humidity was at 90 - 95% of the relative
Card 1/2

81546

30V/137-59-5-11504

The Effect of Some Factors on the Atmospheric Corrosion Rate of Magnesium
and Its Alloy

humidity. The corrosion rate of Mg and Mg alloy increases if the atmosphere contains SO₂, CO₂ and their mixtures. Carbon dust raises the corrosion rate in an atmosphere containing SO₂ and does not affect the corrosion rate in an atmosphere containing CO₂. ✓

V.P.

Card 2/2

PERSIANINOV, L.S., prof.; DROBENYA, Z.P.

Use of proserine for the stimulation of labor. Zdrav.Belor. 5 no.12:
8-9 D "59.

(MIRA 13:4)

1. Iz kafedry akusherstva i ginekologii Minskogo meditsinskogo
instituta.

(PROSTIGMINE) (LABOR (OBSTETRICS))

PERSIANINOV, L.S., prof., zasluzhennyy deyatel' nauki BSSR, red.;
STEPANOVA, N., tekhn.red.

[Gynecological clinic] Zhenskaya konsul'tatsiya; rukovodstvo
dlia vrachei i studentov. Minsk, Gos.izd-vo BSSR. Red.nauchno-
tekhn.lit-ry, 1958. 386 p.
(GYNECOLOGY) (MIRA 13:1)

STAROVYTOV, Ivan Matveyevich, doktor med.nauk; PERSIANINOV, L.S., prof.,
zasluzhennyy deyatel' nauki BSSR, red.; STEPANOVA, N., tekhn.red.

[Metreuryisis in obstetrical practice] Metreiriz v akusherskoi
praktike; izbrannye glavy akusherskoi patologii. Minsk, Gos.
izd-vo BSSR. Red.nauchno-tekhn.lit-ry, 1959. 189 p. (MIRA 13:1)
(UTERUS--SURGERY)

PERSIANINOV, L.S., prof., zasluzhennyy deyatel' nauki BSSR (Minsk)

Distribution of drugs introduced into the umbilical vessels
in asphyxia. Akush. i gin. 35 no.3:63-70 My-Je '59.

(MIRA 12:8)

(ASPHYXIA NEONATORUM, physiol.

distribution of contrast medium introduced into
umbilical vessels in newborn cadavers & puppies
(Rus))

PERSIANINOV, L.S.

Mature of the distribution of a drug solution administered intra-arterially and intravenously following acute blood loss. Eksp.khir. 4 no.2:30-35 Mr-Ap '59. (MIRA 12:5)

1. Iz kafedry akushерства i ginekologii (zav. - zasluzhennyy deyatel' nauki Belorusskoy SSR prof. L.S.Persianinov) Minskogo meditsinskogo instituta.
(DRUGS, metab.

distribution after intravenous & intra-arterial admin. in acute blood loss in dogs (Rus))
(HEMORRHAGE, exper.

distribution of drugs after intravenous & intra-arterial admin. in acute blood loss in dogs (Rus))
(HYPOTENSION, exper.

distribution of drugs after intravenous & intra-arterial admin. in acute hypotension in dogs (Rus))

PERSIANINOV, L.S., prof.

Use of aminasine in the treatment of pregnancy toxicosis.
Akush. i gin. 33 no.5:93-99 S-0 '57. (MIRA 12:5)

1. Iz akushersko-ginekologicheskoy kliniki (zav. - prof.
L.S.Persianinov) Minskogo meditsinskogo instituta.
(PREGNANCY TOXEMIAS, ther.
chlorpromazine)
(CHLORPROMAZINE, ther. use
pregnancy toxemias)

PERSIANINOV, Leonid Semenovich

[Seminar on obstetrics] Akusherskii seminar. Minsk, Gos. izd-vo
Belorussskoy SSR, 1957.
(OBSTETRICS)

(MIRA 12:1)

10(1)

SOV/156-5.-2-4/48

AUTHORS: Persianova, I. V., Tarasov, V. V.

TITLE: The Compressibility of Nonaqueous Solutions of Associated Components (Szhimayemost' nevodnykh rastvorov assotsirovannykh komponentov)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Khimiya i khimicheskaya tekhnologiya, 1959, Nr 2, pp 240-243 (USSR)

ABSTRACT: The present investigation deals with mixtures of mono- and multivalent alcohols, i.e. with liquids of different character of association. Compressibility was measured by determining the density and the velocity of the propagation of ultrasound. In all cases considerable deviations of the compressibility from the additive values occurred. In the majority of the investigated cases the interaction of different molecules was less intensive than in the case of equal ones. Therefore, the negative deviations of compressibility are not due to an intensification of the intermolecular interaction but to a change in the structure of the solution. The results achieved by other authors (Refs 5-12) are discussed. In an investigation carried out together with Ye. G. Monedel'nikova (Ref 13) it was found that the compressibility is in multi-

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SOV/156-50-2-4/48

The Compressibility of Nonaqueous Solutions of Associated Components

valent alcohols essentially due to the hydrogen bonds, in the case of monovalent ones, however, to the dispersion interaction of hydrocarbon radicals. With the addition of a multivalent alcohol to a monovalent one the molecules of the multivalent alcohol form hydrogen bonds with the molecules of the monovalent alcohol and link the association chains to complicated aggregates. If the compressibility is compared in the case of an addition of different multivalent alcohols to monovalent ones it is found that the effect is approximately the same for all glycols. This may be explained by the fact that all of them are able to form the same number of hydrogen bonds. In the case of glycerin the compressibility is considerably higher which may be explained by the higher number of hydroxyl groups. In solutions with an excess quantity of multivalent alcohols it is noticeable that small additions of monovalent alcohols cause the same variation of compressibility. It may be assumed that the hydrogen bonds of the monovalent form bridges connecting the associates of glycerin or of the glycols and thus cause the negative deviation of compressibility. This formation of bridges may not only be due to hydroxyl groups but also to other oxygen

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The Compressibility of Nonaqueous Solutions of Associated Components
SOV/156-59-2-4/48

atoms which are able to form a bond with hydrogen. Thus, acetone shows the same effect as isopropyl alcohol. The mixtures of alcohols with nonpolar substances show considerable positive deviations from the Raoult law. It is very likely that in this case a loosening of the structure of the liquid occurs by an embedding of the molecules of the addition between the association chains. There are 4 figures and 16 references, 10 of which are Soviet.

PRESENTED BY: Kafedra fiziki Moskovskogo khimiko-tehnologicheskogo instituta im. D. I. Mendeleyeva
(Chair of Physics, Moscow Institute of Chemical Technology imeni D. I. Mendeleyev)

SUBMITTED: September 4, 1958

Card 3/3

LAVRIKOV, Yuriy Aleksandrovich; KARIMOV, Khamza Khusainovich; PERSIANOV,
Roman Mikhaylovich; SINYAKOV, Yu.I., red.; ONOSHKO, N.G.,
tekhn.red.

[Account of the Leningrad Economic Region] Ocherk o Leningradskom
ekonomicheskem administrativnom raione. Lenizdat, 1958. 78 p.

(MIRA 12:6)

(Leningrad Economic Region)

PERSIANOV, V.A., inzh.

Selecting the optimum number and efficient distribution of
transshipment points at river ports. Rech.transp. 18 no.1:
15-18 Ja '59. (MIRA 12:2)
(Harbors)

PERSIANOV, V., inzh

Rostock, sea gates of the German Democratic Republic. Mor.flot
18 no. 3:29 Mr '58.
(MIRA 11:4)

1. Institut kompleksnykh transportnykh problem AN SSSR.
(Rostock--Harbors)

PERSIANOV, V.A., ingh.

Railroad installations in river ports of the German Federated
Republic. Rech.transp. 18 no.10:59-60 0 '59. (MIRA 13:2)
(Germany, West--Transportation)

FEDOTOV, N.I.; GEYZER, R.I.; GERASIMENKO, L.N.; LUK'YANTSEVA, V.Ya.;
PERSIANOVA, I.P.

Relation between the degree of microflora permeation of canned
food before sterilization and the results of the bacteriological
analysis of the finished product. K. i. o. v. prom. 17 n. 37-38
Jl '62. (M. 15:7)

1. Ukrainskiy nauchno-issledovatel'skiy institut konservnoy
promyshlennosti.

(Food, Canned—Sterilization)
(Food—Bacteriology)

GEYZER, R.I.; FEDOTOV, N.I.; GERASIMENKO, L.N.; PERSIANOVA, I.P.

Various methods of comparative bacteriological analysis of
canned food before sterilization. Kons.i ov.prom. 17 no.9:
31-33 S '62. (MIRA 15:8)

1. Ukrainskiy nauchno-issledovatel'skiy institut konservnoy
promyshlennosti.
(Food--Bacteriology) (Food, Canned--Sterilization)

5(2)

AUTHORS:

Tarasov, V. V., Persianova, I. V.

SIV, 106-59-1-2/54

TITLE:

The Compressibility of Ideal Solutions and Mixtures of Unassociated Liquids (Szhimayemost' ideal'nykh rastvorov i smesey neassotsirovannykh zhidkostey)

PERIODICAL:

Nauchnyye doklady vysshey shkoly. Khimiya i khimicheskaya tekhnologiya, 1959, Nr 1, pp 8 - 12 (USSR)

ABSTRACT:

Ideal solutions or mixtures of liquids are distinguished by the additivity of the physical data of their components. The majority of nonideal solutions show a considerably higher deviation of compressibility than of volume. Therefore, the compressibility is a more significant criterion of the deviation from the ideal state. Deviations may be caused by: the weakening of the intermolecular forces and, in connection therewith, volume increase; the increase of intermolecular forces and volume reduction; structural changes in the liquid and greater density of the molecules; orientation disturbance of dipoles; loosening of the structure because of the orientation of the various molecules towards each other, but this orientation can be

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The Compressibility of Ideal Solutions and Mixtures of
Unassociated Liquids

SCN 156-19-1-2/54

disturbed again by a temperature rise. The propagation velocity a of ultrasonics is an important quantity depending on the compressibility β and the density ρ of the liquid:

$$a^2 = \frac{1}{\beta\rho}$$

The equation for the ideal solution is:

$$\frac{a^2}{a_{\text{id.}}^2} = \frac{\psi_1^2}{x_1} - \frac{1}{\beta_1^2} + \frac{\psi_2^2}{x_2} - \frac{1}{\beta_2^2}$$

(x_1, x_2 = weight yield of the components, ψ_1, ψ_2 = volume yield of the components). This indicates that the velocity of sound shows a very complicated dependence on the composition even with ideal mixtures and, in general, is not additive

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The Compressibility of Ideal Solutions and Mixtures of Unassociated Liquids
Sov/1,6-10-1-2,54

($\frac{v_1}{x_1} + \frac{v_2}{x_2} \neq 1$). Therefore, the Raoult constants are additive

only if mixtures are concerned the a and ξ values of which are close together. Deviations from the ideal state need not influence the Raoult constants if the deviations of volume and sound velocity neutralize each other. For this reason the Raoult constants cannot be used for the characterization of solutions. Diagrams show the compressibility of almost ideal solutions depending on the volume or molar yield of the components as well as the propagation velocity of ultrasonics. There are 4 figures and 15 references, 9 of which are Soviet.

ASSOCIATION: Kafedra fiziki Moskovskogo khimiko-tehnologicheskogo instituta im. D. I. Mendeleyeva (Chair of Physics of the Moscow Institute of Chemical Technology imeni D. I. Mendeleyev)

SUBMITTED: September 4, 1973

Card 3/3

POTAPOVA, T.V.; SVITSYN, R.A.; ZHIGACH, A.F.; LAPTEV, V.T.; PERSIANOVA,
I.V.; SOROKIN, P.Z.

Effect of a carborane ring on the properties of some C-derivatives
of the carborane (2, 10) series. Zhur. neorg. khim. 10 no.9:2080-
2083 S '65.
(MIKA 18:10)

TARASOV, V.V.; PERSIANOVA, I.V.

Compressibility of ideal solutions and mixtures of unassociated liquids. Nauch.dokl.vys.shkoly; khim.i khim.tekh. no.1:8-12 '59.
(MIRA 12:5)

1. Predstavleni knyazh. fiziki Moskovskogo khimiko-tehnologicheskogo instituta im. D.I. Mendelyeva.
(Compressibility)

PERSIANOVA, I.V.

Determination of hyoscyamine and scopolamine in a mixture
extracted from Scopolia corniculata. Med.prom. 12 no.8:30-35
Ag '58 (MIRA 11:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy
institut imeni S. Ordzhonikidze.
(HYOSCYAMINE)
(SCOPOLAMINE)

KHEYFETS, L.A.; SHULOV, L.M.; PERSIANOVA, I.V.; BELOV, V.N.

Tepeneophenols. Part 5: Determination of the dissociation
constants of some sterically hindered terpenophenols in aqueous
organic solvents. Zhur. Khim. ob. 31 no.3:723-726 Mr '61.

(MIRA 14:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskikh
i natural'nykh dushistykh veshchestv.
(Phenols)

L 27739-66 EXT(m)/EWP(t)/ETI IJF(c) JD/JG
ACC NR: AP6001598

SOURCE CODE: UR/0120/65/000/006/0214/021541

AUTHOR: Persiantsev, I. G.; Piffl, V.

39

B

ORG: Scientific-Research Institute of Nuclear Physics of MGU (Nauchno-
issledovatel'skiy Institut yadernoy fiziki)

TITLE: Preparation of thin lithium strips

SOURCE: Pribory i tekhnika eksperimenta, no. 6, 1965, 214-215

TOPIC TAGS: lithium, physics laboratory instrument

ABSTRACT: A method of preparing a thin lithium strip of a 25 x 15 micron cross-section is described, including an airtight capsule used for placing the strip in a vacuum chamber and then for mounting it in a device for electric explosion. The strip was made of lithium foil. All precautions were taken to prevent the contact of lithium with the air. A 10-mg piece of lithium was passed between rollers in order to get a foil of 20 to 30 microns. Then the foil was placed in a liquid petroleum bath and sealed with paraffin. Such a paraffin block was placed in a special microtome box where a high pressure (in argon or helium) was created. By using a microtome knife it was possible to obtain strips of 15 micron thick and 5 to 6 cm long. A special arrangement was pro-

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UDC: 539.231:546.34

2

L 27739-66

ACC NR: AP6001598

vided to put the strip in an airtight capsule inside the box. The capsule was then removed from the box and the strip was attached to the electrode of explosion chamber. Gratitude is expressed to A. I. Shal'nikov, who proposed the method, and to I. M. Podgornyy for his interest in the work. Orig. art. has: one figure.

SUB CODE: 20 / SUHM DATE: 15Dec64 / ORIG REF: 000 / OTH REF: 000

Card 2/2 - 10

KOMSHILOV, N.

1. Name, title, rank, or position: N. KOMSHILOV, Major, R.
2. Country of birth: Russia
3. Country of citizenship: USSR, King (Soviet Union)
4. Nationality: Russian

5. Current residence: Moscow, Russia
6. Previous residence: Moscow, Russia
7. Previous residence: Moscow, Russia
8. Previous residence: Moscow, Russia

ACC NR: AP6033813

SOURCE CODE: UR/0188/66/000/004/0003/0008

AUTHOR: Goryaga, G. I.; Kokorev, A. I.; Persiantseva, N. N.

ORG: NIYaF

TITLE: Interaction between the luminescence front and the transverse magnetic field in an electrodynamic shock tube

SOURCE: Moscow. Universitet. Vestnik. Seriya III. Fizika, astronomiya, no. 4, 1966, 3-8

TOPIC TAGS: moving plasma, plasma acceleration, plasma shock wave, plasma wave reflection, plasma gun, magnetactive plasma, plasma velocity, transverse magnetic field

ABSTRACT: A coaxial plasma gun (coaxial length--100 mm, central electrode diameter--8 mm, inner diameter of external electrode--28 mm) and a rail injector (accelerating gap--18 mm) were used to produce a high-pressure chamber. A glass tube, approximately 45 cm long, with an inner diameter of 28 mm provided the low-pressure chamber. Experiments were performed at a residual gas pressure of $P = 8 \cdot 10^{-1} - 3 \cdot 10^{-2}$ mm Hg. The maximum discharge current, measured by a Rogovskiy loop and an OK-17 oscillograph was ~50 ka. The range of the magnetic field was 10^3 to $7 \cdot 10^3$ oersted. In a strong magnetic field ($H > 3000$ oersted) the propagation rate of the luminescence front decreases, and the luminescence intensity goes up. No stratification and reflection of the lumi-

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UDC: 533.95.538.4

ACC NR: AP6033813

nescence front from the magnetic wall (as reported in the past by a number of authors) was observed. It is assumed that in these experiments, the luminescence front is not identical to the front of the shock wave but rather to the forward boundary of the moving plasma bunch. Energy equations of the moving plasma bunch were derived. Experiment in the shock tube does not correspond to shock wave, but to the current-carrying gas-discharge plasma. This assumption was verified by several additional experiments.
Orig. art. has: 2 formulas, 5 figures.

SUB CODE: 20/

SUBM DATE: 18Jan65/

ORIG REF: 003/

OTH REF: 012

Card 2/2

AUTHORS: Persiantseva, V. P., Rozenfel'd, I. L. SOV/32-24-7-22 /65

TITLE: The Laboratory Methods of Volatile Inhibitor Determination
(Laboratornyye metody issledovaniya letuchikh inhibitorov)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 7,
pp. 832 - 836 (USSR)

ABSTRACT: First a method is described according to which the sample is first wrapped in the inhibited paper and then in paraffinated paper. It is then placed in the corrosion chamber. The tests were conducted at a relative humidity of 100° at a constant temperature, at static conditions, or at a passage of moist air. A schematic illustration of the device and a few variants of performing the experiments are described. In order to approach the experiments to real corrosion conditions, an equipment was constructed which permits a periodic condensation and drying of moisture on the samples. Thus, the velocity of corrosion can be varied by the number of cycles. The device consists of an exsiccator with a tubular glass ring. On this ring, the

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The Laboratory Methods of Volatile Inhibitor Determination

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samples are placed. By passing hot or cold water through the tube a condensation and a drying can be caused alternatively with respect to the temperature difference's compared with the interior of the exsiccator. The volatile inhibitor is kept at the bottom of the exsiccator. A comparison of the results with that of a nine months' investigation performed at a relative humidity of 100% showed that this method exposes the properties of the inhibitor in a satisfactory way. In order to determine the influence of volatile inhibitors upon electrochemical processes under atmospheric conditions of corrosion, the method by I.L.Rozenfel'd and T.I.Pavlutskaya (Ref 7), and the apparatus by T.I.Lukonina, K.A.Zhigalova, and I.L.Rozenfel'd (Ref 8) were used. This apparatus was modified in that respect, as the electrolyte film is applied to the electrode in the exsiccator. A figure illustrating the apparatus is given. The determinations were carried out with steel electrodes with a film of a thickness of 160μ consisting of a 0,001 n sodium sulfite solution. The results of the measurement of the potential changes, which

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were obtained with dicyclohexamine nitrite as inhibitor lead
to the assumption that the corrosion inhibiting effect is
basically due to an inhibition of the cathode reaction of
oxygen reduction. There are 7 figures and 7 references, 3 of which
are Soviet.

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L 13628-66 EWT(m)/EWP(j)/T/EWP(t)/EWP(b) JD/WW/WB/RM

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AUTHOR: Rozenfel'd, I. L.; Persiantseva, V. P.

56B

ORG: Institute of Physical Chemistry, AN SSSR (Institut fizicheskoy khimii AN SSSR)

TITLE: Use of inhibitors for the protection of metals against atmospheric corrosion

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TOPIC TAGS: corrosion, corrosion inhibitor, ferrous metal, nonferrous metal, corrosion protection, nitrite, ammonium compound

ABSTRACT: A review of 89 Communist World and Western studies on inhibitors for the protection of metals against atmospheric corrosion is presented under the following headings: Protection of metals from atmospheric corrosion by inhibitors; Atmospheric-corrosion inhibitors for ferrous metals; Sodium nitrite; Dicyclohexylammonium nitrite; Inhibitors based on sodium nitrite; Cyclohexylammonium carbonate; Monoethanolammonium carbonate; Corrosion inhibitors for ferrous and nonferrous metals; Sodium benzoate; Other inhibitors. There are 39 Communist World and 50 Western references. Ten of the Soviet studies referred to have been carried out by Rozenfel'd and his associates. These studies deal with such problems as: the mechanism of action of sodium nitrite and dicyclohexylammonium nitrite, reliable

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